

ABSTRACT OF THE DISCLOSURE

5 A method of coating an optical fiber includes a step of coating the fiber with a curable coating composition and a step of curing the composition, which contains an unsaturated compound having a double bond and an oxidation catalyst. The curing step includes an in-line first phase consisting in exposing the coated fiber to UV radiation for a time shorter than the time needed for complete curing followed by an off-line second phase consisting in placing the coated fiber in an oxidizing medium in order to complete curing.